

FIGURE 1

Total Lunar Eclipse of 2014 Apr 15

Ecliptic Conjunction = 07:43:24.8 TD (= 07:42:17.6 UT)

Greatest Eclipse = 07:46:47.0 TD (= 07:45:39.8 UT)

Penumbral Magnitude = 2.3183

P. Radius = 1.2267°

Gamma = -0.3017

Umbral Magnitude = 1.2907

U. Radius = 0.6952°

Axis = 0.2863°

Saros Series = 122

Member = 56 of 75

Sun at Greatest Eclipse

(Geocentric Coordinates)

R.A. = 01h33m40.0s

Dec. = +09°46'27.6"

S.D. = 00°15'56.6"

H.P. = 00°00'08.8"

Moon at Greatest Eclipse

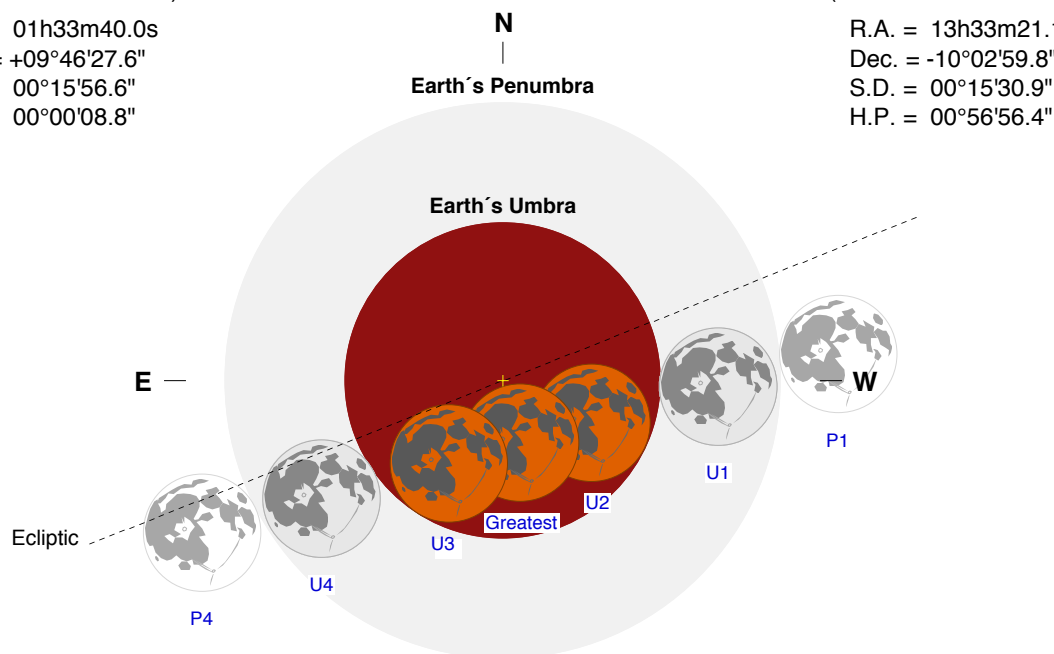
(Geocentric Coordinates)

R.A. = 13h33m21.1s

Dec. = -10°02'59.8"

S.D. = 00°15'30.9"

H.P. = 00°56'56.4"



Eclipse Durations

Penumbral = 05h44m00s

Umbral = 03h34m44s

Total = 01h17m48s

$\Delta T = 67$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 04:53:37 UT

U1 = 05:58:19 UT

U2 = 07:06:47 UT

U3 = 08:24:35 UT

U4 = 09:33:04 UT

P4 = 10:37:37 UT

